

SUBJECT: SOIL EROSION

CATEGORY: USLE – RELATION TO "T" VALUE*

QUALIFIERS: 1997 CULTIVATED CROPLAND

REPORTING UNIT: AREA (ACRES IN THOUSANDS)

GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 113

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 113

	>T <= 2T	> 2T <= 3T	>3T <= 4T	> 4T <= 5T	> 5T
acres eroding above "t"	467	211	81	40	78
% of total mlra cultivated cropland	33%	15%	6%	3%	6%
% of total mlra cultivated cropland eroding above "t"	53%	24%	9%	5%	9%
% of total state cultivated cropland	4%	2%	1%	<1%	<1%
% of total state cultivated cropland eroding above "t"	12%	5%	2%	1%	2%
% of total state cultivated cropland in "t" category	25%	27%	18%	15%	14%

MLRA 113: TOTAL SURFACE AREA = 3143

TOTAL ACRE OF CULTIVATED CROPLAND = 1408

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE 'T' = 877

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

* USLE – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI sample point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor – The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)

